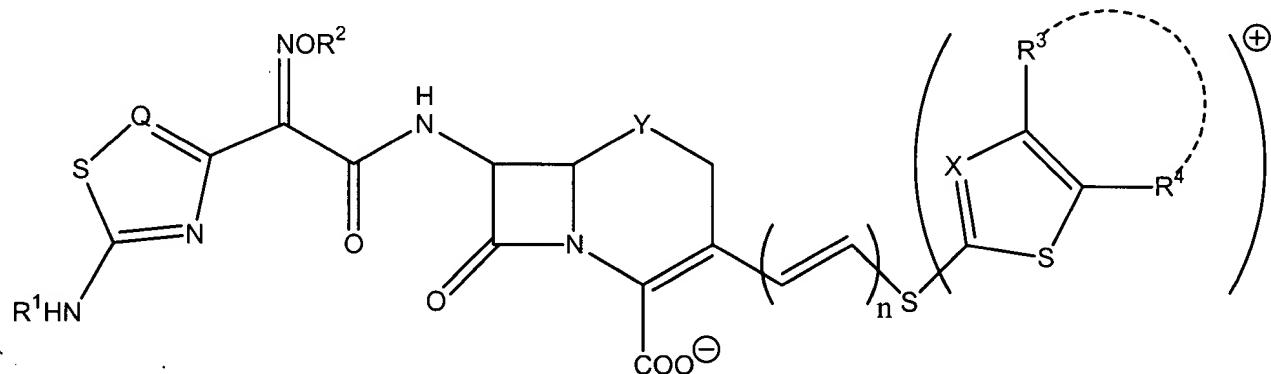


Version with Markings to Show Changes Made

In the Claims

1. (TWICE AMENDED) A compound of the formula:



wherein R¹ is **a phosphono group[**, **dialkoxy-phosphoryl**, **O-alkyl-phosphono**,

diaminophosphoryl, **(amino)(hydroxy)phosphoryl**,

(alkoxy)(morpholino)phosphoryl or dihalophosphoryl];

R² is a hydrogen atom, an optionally substituted C₁₋₆ alkyl group or a C₃₋₅ cycloalkyl

group;

each of Q and X is a nitrogen atom or CH;

Y is S;

n is 0 or 1;

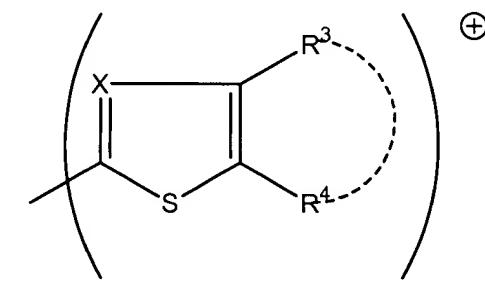
one of R³ and R⁴ is a pyridinium group which may be substituted and the other is a

hydrogen atom or a hydrocarbon group which may be substituted, or R³ and R⁴

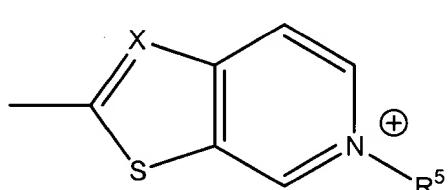
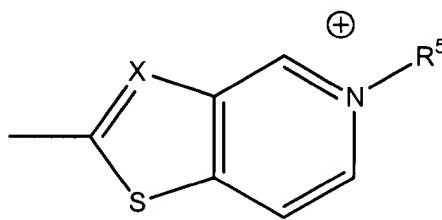
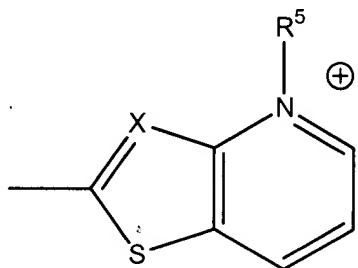
taken together may form a quaternized nitrogen-containing heterocyclic ring

which may be substituted,

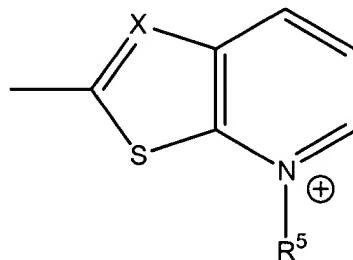
wherein when R³ and R⁴ are taken together, the group of the formula



is



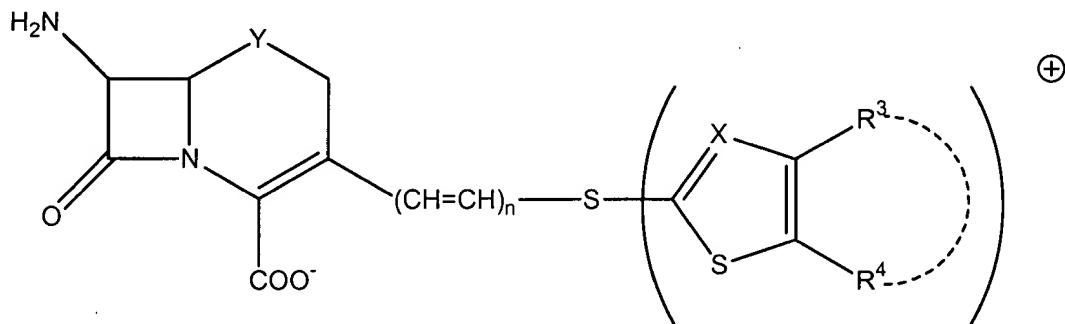
or



wherein R⁵ is an optionally substituted hydrocarbon group;
or salt [or ester] thereof.

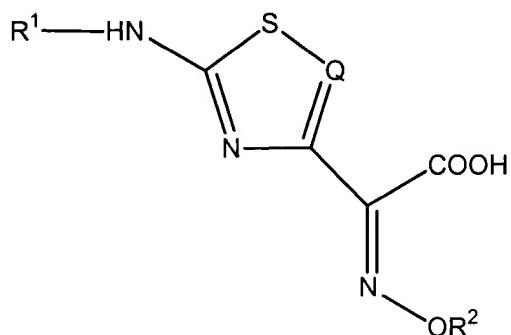
12. (THRICE AMENDED) 7β-[2(Z)-ethoxyimino-2-(5-phosphonoamino-1,2,4-thiadiazole-3-yl)acetamido]-3-[4-(1-methyl-4-pyridinio)-2-thiazolylthio]-3-cephem-4-carboxylate[, **its ester**] or its salt.
13. (TWICE AMENDED) A compound as claimed in claim 1, which is 7 β - [2(Z)-fluoromethoxyimino-2-(5-phosphonoamino-1,2,4-thiadiazole-3-yl)acetamido]-3-[4-(1-methyl-4-pyridinio)-2-thiazolylthio]-3-cephem-4-carboxylate[, **its ester**] or its salt.

14. (AMENDED) A method for producing a compound as claimed in claim 1, which comprises reacting a compound of the formula:



or its salt;

wherein each symbol has the meaning given in claim 1; [above, its ester or its salt,] with a compound of the formula:



its salt or its reactive derivative;

wherein each symbol has the meaning given [above, its salt or its reactive derivative, if necessary,] in claim 1

[followed by converting R^1 to a phosphono group].